

# Specifications

## Outdoor units R32

- Compressor with Digital Inverter Boost technology.
- Equipped with NASA communication protocol.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fan and controller from power surges.



Outdoor Unit		AJ040TXJ2KG/EU	AJ050TXJ2KG/EU	AJ052TXJ3KG/EU	AJ068TXJ3KG/EU	
Maximum number of connectable indoor units		2	2	3	3	
<b>Capacity</b>						
Capacity	Cooling (Nominal)	kW	4.0	5.0	5.2	6.8
	Heating @ +7 °C	kW	4.2	5.6	6.3	8.0
	Heating @ -5 °C	kW	3.16	4.22	4.22	6.02
	Heating @ -10 °C	kW	2.70	3.60	3.60	5.14
	Heating @ -15 °C	kW	2.23	2.98	2.98	4.25
<b>Performance</b>						
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	8.54	8.54	8.51	7.75
	Power Consumption	kWh/a	164	205	206	293
	Pdesignc	kW	4.0	5.0	5.0	6.5
	EER	W/W	4.44	4.10	4.16	3.78
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.60	4.64	4.60	4.32
	Power Consumption	kWh/a	922	1,270	1,400	1,833
	Pdesignh (average)	kW	3.1	4.2	4.6	5.7
	COP <sup>1</sup>	W/W	4.64	4.38	4.77	4.42
Airflow Rate	m <sup>3</sup> /min	29.7	33.1	38.0	47.5	
Sound Power	dB(A)	60	61	61	64	
Sound Pressure	Cooling	dB(A)	45	46	46	48
	Heating	dB(A)	46	47	48	50
Fan	Type		Propeller Fan	Propeller Fan	Propeller Fan	Propeller Fan
	Discharge direction		Front (horizontal)	Front (horizontal)	Front (horizontal)	Front (horizontal)
	Power	W	40	40	125	125
	Number of Fans	-	1	1	1	1
Operating Temperature Range	Cooling	°C	-5.0~46.0	-5.0~46.0	-10.0~46.0	-10.0~46.0
	Heating	°C	-15~24	-15~24	-15~24	-15~24
<b>Electrical Data</b>						
Power Source	Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	
Compressor Type		Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	
Power Consumption	Cooling	kW	0.90	1.22	1.25	1.80
	Heating	kW	0.90	1.28	1.32	1.81
Operating Current	Cooling	A	4.1	5.6	5.5	8.1
	Heating	A	4.1	5.9	6.1	8.2
<b>Dimensions</b>						
Net Dimensions (W x H x D)	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310	
Net Weight	kg	32.0	33.0	44.5	57.5	
<b>Refrigerant</b>						
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)				
Refrigerant	Factory Charging	kg	0.98	1.18	1.55	2.00
	Chargeless Piping Length	m	30.0	30.0	30.0	30.0
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	0.66	0.80	1.05	1.35
	Additional Refrigerant Charging	g/m				10
Piping Connections	Liquid Pipe	ø, inch	1/4 x 2	1/4 x 2	1/4 x 3	1/4 x 3
	Gas Pipe	ø, inch	3/8 x 2	3/8 x 2	3/8 x 2 + 1/2	3/8 + 1/2 x 2
Piping Length	Total Piping Length	m	30	30	50	50
	Min/Max	m	3/25	3/25	3/25	3/25
Piping Height	Max Height (ID-ID)	m	7.5	7.5	7.5	7.5
	Max Height (OD-ID)	m	15	15	15	15

	AJ080TXJ4KG/EU	AJ100TXJ5KG/EU		
Maximum number of connectable indoor units	4	5		
<b>Capacity</b>				
Capacity	Cooling (Nominal)	kW	8.0	10.0
	Heating @ +7 °C	kW	9.3	12.0
	Heating @ -5 °C	kW	7.00	9.03
	Heating @ -10 °C	kW	5.97	7.70
	Heating @ -15 °C	kW	4.94	6.38
<b>Performance</b>				
Energy Efficiency Cooling	SEER <sup>1</sup>	W/W	7.75	8.00
	Power Consumption	kWh/a	330	TBA
	Pdesignc	kW	7.3	TBA
	EER	W/W	4.06	3.64
Energy Efficiency Heating	SCOP <sup>1</sup>	W/W	4.10	4.32
	Power Consumption	kWh/a	2,009	TBA
	Pdesignh (average)	kW	5.9	TBA
	COP <sup>1</sup>	W/W	4.37	4.26
Airflow Rate	m <sup>3</sup> /min	47.5	75.0	
Sound Power	dB(A)	64	70	
Sound Pressure	Cooling	dB(A)	48	54
	Heating	dB(A)	50	56
Fan	Type		Propeller Fan	Propeller Fan
	Discharge direction		Front (horizontal)	Front (horizontal)
	Power	W	125	125
	Number of Fans	-	1	1
Operating Temperature Range	Cooling	°C	-10.0~46.0	-10.0~46.0
	Heating	°C	-15~24	-15~24
<b>Electrical Data</b>				
Power Source	Φ, V, Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	
Compressor Type		Twin BLDC Rotary	Twin BLDC Rotary	
Power Consumption	Cooling	kW	1.97	2.75
	Heating	kW	2.13	2.82
Operating Current	Cooling	A	8.9	12.2
	Heating	A	9.5	12.8
<b>Dimensions</b>				
Net Dimensions (W x H x D)	mm	880 x 798 x 310	940 x 998 x 330	
Net Weight	kg	57.5	76.5	
<b>Refrigerant</b>				
Refrigerant	Type	R32 (contains fluorinated greenhouse gases. GWP = 675)		
Refrigerant	Factory Charging	kg	2.00	2.70
	Chargeless Piping Length	m	40.0	40.0
	Charging Ton equivalent CO <sub>2</sub>	tCO <sub>2</sub> e	1.35	1.82
	Additional Refrigerant Charging	g/m	10	10
Piping Connections	Liquid Pipe	ø, inch	1/4 x 4	1/4 x 5
	Gas Pipe	ø, inch	3/8 x 2 + 1/2 x 2	3/8 x 2 + 1/2 x 3
Piping Length	Total Piping Length	m	70	75
	Min/Max	m	3/25	3/25
Piping Height	Max Height (ID-ID)	m	7.5	7.5
	Max Height (OD-ID)	m	15	15

<sup>1</sup>Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.